

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 366 | ((disk or disc or storage) adj3 (drive or unit or device)) and ((miss\$3 or deviate or skip\$4) near3 (sector block gap space)) WITH writ\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/07 09:33 |
| L2 | 129 | 1 and (retry rewrite) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/07 09:21 |
| L3 | 9 | (disk or disc or storage) adj3 (drive or unit or device) and asperities and (fly adj height) and (miss\$3 or deviate or skip\$4) WITH writ\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/07 09:22 |
| L5 | 8 | ("20010032292" "20010042223" "4935825" "5740358" "5841748" "5859823" "5883867" "5983309").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/07 09:29 |
| L6 | 11 | ("4949326" "5077720" "5239640" "5392290" "5446743" "5450251" "5467361" "5499337" "5517484" "5530948" "5602857").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/07 09:33 |
| L7 | 453 | ((disk or disc or storage) adj3 (drive or unit or device)) same ((miss\$3 or disregard or jump or skip\$4) near3 (sector block gap space)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/07 09:56 |
| L8 | 3186 | (disk or disc or storage) adj3 (drive or unit or device) and (sector block gap) and (miss\$3 or deviate or skip\$4) WITH writ\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/07 09:37 |
| L9 | 5148 | 360/31,50,53,55,77.1,77.08,77.11,77.12.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/07 09:42 |
| L10 | 136 | 8 and 9 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/07 09:47 |
| L11 | 45 | 7 and 9 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/07 09:42 |

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| L14 | 96569 | ("360").CLAS. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/01/07 09:54 |
| L16 | 93 | 7 and 14 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/07 09:55 |
| L17 | 143 | ((miss\$3 or disregard or jump or skip\$4) near3 (sector block gap space)) same (rewrit\$3 retry) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/07 10:00 |
| L18 | 18 | data same ((miss\$3 or disregard or jump or skip\$4) near3 (sector block gap space)) near5 (rewrit\$3 retry) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/07 10:01 |
| L19 | 1 | ("6292445").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/07 10:04 |
| L20 | 1 | ("6414923").URPN. | USPAT | OR | ON | 2005/01/07 10:05 |
| L21 | 8 | ("4656532" "5111444" "5235585" "5271018" "5818654" "5848438" "5930358" "6031804").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/07 10:16 |
| L22 | 237 | ((block data) near2 (space or gap)) near3 (error fault) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/07 10:19 |
| L23 | 6 | ((determin\$3 sens\$3 comput\$3 detect\$3) near3 ((write position) near2 error)) WITH ((block data write) near2 gap) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/07 10:28 |
| L24 | 1 | ((determin\$3 sens\$3 comput\$3 detect\$3) near3 ((write position) near2 error)) WITH ((block data write) near2 gap) near2 length | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/07 10:26 |
| L25 | 1 | ((determin\$3 sens\$3 comput\$3 detect\$3) same((write position) near2 error)) WITH ((block data write) near2 gap) near2 length | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/07 10:26 |
| L26 | 13 | ("4063293" "4500965" "4685005" "4700242" "4743985" "5253128" "5353176" "5357379" "5369652" "5381277" "5392170" "5438462" "5483390").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/07 10:27 |
| L27 | 0 | ((determin\$3 sens\$3 comput\$3 detect\$3) near5 error near3 (using based)) WITH ((block data write) near2 gap) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/07 10:43 |

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| L28 | 35 | ((determin\$3 sens\$3 comput\$3 detect\$3) near5 error WITH ((block data write) near2 gap)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/07 10:49 |
| L29 | 11 | 28 same length | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/07 10:32 |
| L30 | 23 | ((determin\$3 sens\$3 comput\$3 detect\$3) near5 error WITH (length near2 gap)) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/07 10:42 |
| L31 | 23404 | ("711").CLAS | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/01/07 10:38 |
| L32 | 1179 | 8 and 31 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/07 10:42 |
| L33 | 2 | 8 and 30 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/07 10:42 |
| L38 | 4 | ((gap near2 length) near5 ((detect\$3 comput\$3 calculat\$3 sens\$3 determin\$3) near2 (fault error))) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/07 10:58 |
| L39 | 19 | ((gap near2 (value length)) near5 ((detect\$3 comput\$3 calculat\$3 sens\$3 determin\$3) near2 (fault error))) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/07 11:04 |
| L40 | 1 | (write near2 error) near5 (gap near2 length) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/07 11:06 |
| L41 | 1 | (write near2 error) with (gap near2 length) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/07 11:06 |
| L42 | 81 | (write near2 error) and (gap near2 length) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/07 11:06 |
| S1 | 1 | ("6710954").PN | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/12/27 11:19 |
| S2 | 46 | ((record\$3 near2 (data signal)) near5 (block sector)) same (ecc and position\$3 and gap) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2004/12/27 11:31 |
| S4 | 1 | (multiple near2 block) near5 (gap and (ecc or (error near2 code))) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2004/12/27 11:34 |

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| S5 | 2895 | 360/48,53,77.12.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2005/01/03 09:03 |
| S6 | 568 | (block near3 gap) and ((error near2 detect\$3) or ecc) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2004/12/27 11:36 |
| S7 | 64 | S5 and S6 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2004/12/27 11:42 |
| S8 | 2 | (linear near2 tape) same (block near2 gap) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2004/12/27 11:52 |
| S9 | 3618 | (storage near3 (device apparatus)) same ((error position) near2 detect\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2004/12/27 11:56 |
| S10 | 91 | S5 and S9 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2004/12/27 12:12 |
| S11 | 1 | (storage near2 (system device apparatus)) with ((error near2 detect\$3) near4 (record\$3 near3 position\$3) near4 (writ\$3 near2 data)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2004/12/27 12:16 |
| S12 | 127 | (lto or (linear adj tape adj open)) and (error near2 detect\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2004/12/27 12:24 |
| S13 | 127 | (lto or (linear adj tape adj open)) and (error near2 detect\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2004/12/27 12:30 |
| S14 | 15 | ("5055951" "5191491" "5394277" "5568327" "5689384" "5920439" "5930065" "5973869" "5982574" "6021013" "6023385" "6134070" "6411460" "6493174" "6574066").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/12/27 12:57 |
| S15 | 1 | ("5946159").PN. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/12/27 12:57 |
| S16 | 6 | ("4729048" "5185681" "5448430" "5459619" "5483394" "5488525").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/12/27 13:09 |

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| S17 | 6 | ("4729048" "5185681" "5448430" "5459619" "5483394" "5488525").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2004/12/27 12:59 |
| S18 | 16 | ("5946159").URPN. | USPAT | OR | ON | 2004/12/27 13:05 |
| S19 | 6285 | (record\$3 near5 error) and (record\$3 near2 position) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2004/12/27 13:11 |
| S20 | 258 | S19 and 360/48,53.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2004/12/27 13:24 |
| S21 | 23227 | ("711").CLAS. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/12/27 13:25 |
| S23 | 1213 | (storage near3 data) same (block near3 ((gap or position) detect\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2004/12/27 13:27 |
| S24 | 177 | S21 and S23 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2004/12/27 13:27 |
| S25 | 42 | (detect\$3 determin\$3) near2 (((record\$3 or writ\$3) adj2 error) and (record\$3 adj2 position)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2004/12/27 14:00 |
| S26 | 8 | S25 and tape | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2004/12/27 14:00 |
| S27 | 2899 | 360/48,53,77.12.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2005/01/03 10:04 |
| S28 | 6 | (servo near2 format) same ((read write) near2 error) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2005/01/03 09:17 |
| S30 | 61 | chliwnyj.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/03 09:33 |

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| S31 | 373 | ((read write) near2 error) same (magnetic near2 tape) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/03 09:36 |
| S32 | 58 | S27 and S31 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/03 09:36 |
| S33 | 5 | ("4637023" "5324926" "5325370" "5592342" "5598388").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/03 09:54 |
| S34 | 1 | ("6710954").PN. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/01/03 10:00 |
| S35 | 1 | ("6278571").PN. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/01/03 10:02 |
| S36 | 1 | ("6791781").PN. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/01/03 10:02 |
| S37 | 3155 | 360/48,53,73.04,77.12.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2005/01/03 10:04 |
| S38 | 1888 | ((servo sector data) near2 (block gap)) same (magnetic adj tape) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2005/01/03 10:05 |
| S39 | 2720 | ((servo sector data) near5 (block gap)) same (magnetic adj tape) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2005/01/03 10:05 |
| S41 | 394 | S37 and S39 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/03 10:45 |
| S42 | 535024 | ((detect\$3 determin\$5 sens\$3) near2 position\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/03 10:48 |
| S48 | 3571 | ((detect\$3 determin\$6 sens\$3) near2 position\$3) and ((write record\$3) near2 error) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/03 10:55 |

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| S49 | 38 | S41 and S48 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/03 10:52 |
| S50 | 3013 | S48 and (block gap) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/03 10:56 |
| S51 | 21 | (gap near2 ((position write record\$3) adj error)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/03 10:58 |
| S52 | 1 | ((length near2 gap) near5 ((position write record\$3) adj error)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/03 11:01 |
| S53 | 1738 | (write near2 control) near4 (block sector) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/03 11:02 |
| S54 | 898 | S53 and (gap spac\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/03 11:05 |
| S55 | 139 | S54 and (magnetic adj tape) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/03 11:18 |
| S56 | 131 | ((re\$1writ\$3 or rewrit\$3) near2 error) and (magnetic adj tape) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/03 11:27 |
| S57 | 1 | ("20040080849").PN. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/01/03 11:29 |
| S58 | 61 | (linear near3 tape) and ((rewrit\$3 or re\$1writ\$3) near2 data) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/03 11:30 |
| S59 | 6 | ("4570192" "4637023" "4774700" "5091805" "5122913" "Re31311").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/03 11:36 |

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| S60 | 3 | ("5319504").URPN. | USPAT | OR | ON | 2005/01/03 12:42 |
| S61 | 29 | ((re\$writ\$3 rewrit\$3) near2 (data signal)) near9 ((after subsequent\$2 next follow\$3 succeed\$3) near2 (gap sector)) | USPAT | OR | ON | 2005/01/03 12:52 |
| S62 | 1 | (re\$writ\$3 rewrit\$3) near9 ((after subsequent\$2 next follow\$3 succeed\$3) near2 ((block sector) adj gap)) | USPAT | OR | ON | 2005/01/03 12:53 |
| S63 | 4 | ("4945437" "5307217" "5371638" "5675448").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/03 12:55 |
| S64 | 1 | ("6118605").URPN. | USPAT | OR | ON | 2005/01/03 12:56 |
| S65 | 9 | ((sector block) near2 gap) same (write near2 error) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/04 14:51 |
| S66 | 163 | ((error and position) near2 (detect\$3 sens\$3 determin\$6)) same (magnetic adj tape) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/04 15:10 |
| S67 | 1 | (data near3 (write adj error)) same (gap near3 (sector block segment)) | USPAT | OR | ON | 2005/01/05 15:33 |
| S68 | 1 | ("6710954").PN. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/01/05 15:40 |
| S69 | 1 | ("6762900").PN. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/01/05 15:42 |
| S70 | 1 | ("6791781").PN. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/01/05 15:44 |
| S71 | 3 | (write adj error) near3 ((block or gap) near2 length) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/05 15:48 |
| S72 | 5 | ("4783784").URPN. | USPAT | OR | ON | 2005/01/05 15:47 |
| S73 | 1 | (write adj error) near3 (gap near2 length) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/05 15:49 |
| S74 | 1 | data same ((write adj error) near3 (gap near2 length)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/05 15:49 |

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| S75 | 2085 | (data near3 (gap sector block)) same ((detect\$3 determin\$3 sens\$3) near2 position) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/05 15:52 |
| S76 | 380 | S75 and "360"/\$.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/05 15:52 |
| S77 | 7 | ((writ\$3 near2 error) same (position near3 gap)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/06 15:10 |
| S78 | 16 | (data near3 (block sector)) same (writ\$3 near2 (gap and error)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/06 15:31 |
| S79 | 16 | ((dis\$1 or storage) near2 (drive or unit or device or apparatus) and (miss\$3 or skip\$4 or deviate) with ((block write) adj3 gap)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/06 15:42 |
| S80 | 9 | ((dis\$1 or storage) near2 (drive or unit or device or apparatus) and (miss\$3 or skip\$4 or deviate) near3 ((block write) adj3 gap)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/06 15:51 |
| S81 | 17 | ((miss\$3 or skip\$4 or deviate) near3 ((block write) adj3 gap)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/06 15:49 |
| S82 | 168 | ((skip\$4 miss\$3 deviate) near3 (block gap space field)) and (write adj3 error) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/06 15:54 |
| S83 | 7 | ("4240139" "4445176" "4750137" "4837679" "5005137" "5010514" "5247616").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/01/06 16:05 |
| S84 | 3390 | (disk or disc or storage) adj3 (drive or unit or device) and (miss\$3 or deviate or skip\$4) WITH writ\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/07 09:18 |

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| S85 | 3186 | (disk or disc or storage) adj3 (drive or unit or device) and (sector block gap) and (miss\$3 or deviate or skip\$4) WITH writ\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/07 09:36 |
| S86 | 117 | S84 and (data near2 attribute) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/07 08:47 |
| S87 | 111 | S84 and (servo near2 error) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/07 08:48 |
| S88 | 344 | S84 and ((write servo) near2 error) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2005/01/07 08:48 |